

1.0 INTRODUCTION

This effort was undertaken by Tetra Tech EM Inc. (Tetra Tech) to provide technical analysis and project coordination services to the Nevada Division of Environmental Protection (NDEP) Bureau of Air Pollution Control (BAPC) to accurately evaluate and document the current status of Prevention of Significant Deterioration (PSD) increments in hydrographic area 64 (HA64). The information and tools that result from the project can be used to provide local planners, developers, and industry with the tools necessary to help maintain air quality standards within allowable limits.

This report is organized to give the reader some background about the project's goals and phases, as well as background on the regulations driving this project. The report then describes key components in the project, such as the emission inventory and air quality modeling of the PSD increment in HA64. The final section of this report summarizes the results of the PSD increment study and Tetra Tech's recommendations for future actions. All modeling files used in this study are presented in Appendix A.